Spring 2009

CS 340: Programming Language Workshop in Python

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CS 340 Programming Language Workshop in Python (1 Credit)

- **Instructor** : T. K. Prasad
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- **Quarter** : Spring 2009

- **Office Hrs** : TTh, 3-4pm , 395 Joshi (or by appointment)
- **One and Only Class : April 2, Thursday, 3-3:30pm, 399 Joshi**

Course Description

This course is designed as a self-study in Python. You are expected to learn the language and solve a set of programming problems assigned to you from *Dietel et al* using Python available from http://www.python.org. There are no exams. We officially meet only once in the quarter. However, I will be available in the posted office hours for clarifications and discussions about the programming problems.

Prerequisite

- Experience with programming in C++/Java.

Course Text

- Dietel, et al: Python: How to Program. Prentice Hall, 2002, ISBN: 0130923613.

Reference

- Budd: Exploring Python, McGraw Hill, 2009, ISBN: 978-0-07-352337-8.

Grading

Each programming assignment will be graded as *Pass/Unsatisfactory,* and the letter grade 'P' or 'U' will be assigned at the end of the course.

Course Policies

1. All work must be turned-in by **May 30, 2009.**
2. Do not expect an incomplete for any reason. Each assignment will also have a separate deadline.
3. You must pass all the assignments to pass the course. The code you turnin must be your own creation. Copying code from available books, or cutting and pasting code from the Internet is strictly prohibited because it defeats the whole purpose of the course.
4. Each program should be well-documented and adequately tested.
5. You must turnin well-documented source code runnable using Python, a README.txt with a brief description of

the program, and where applicable, sample test inputs and outputs to indicate that you have tested your code adequately, as a single zip-archive for each assignment. To turnin the i^{th} assignment (where i = 1,2,3,4), create the archive `asgi.zip`, and execute the following shell command on `unixapps1`:

```
csh% /common/public/tkprasad/cs340/turnin-pai  asgi.zip README.txt
```

6. You may also be required to demonstrate your code in my office hours after the due date.

Assignments

Topic	Problems, Page No. (Dietel et al)	Due Date
I	Basic Arithmetic and Data structures Exercise 4.5 Page 152	April 14
II	Object-Oriented Programming Exercise 7.4 Page 259	April 30
III	Graphics Exercises 10.3 & 10.6 Page 387	May 19
IV	String Processing Exercises 13.7 & 13.8 Page 461	May 28

T. K. Prasad (03/25/2009)